

Please amend the application as follows:

In the Claims

*Please cancel claims 37, 56, 60, 62, 64-66, 68-70, and 83 without prejudice to the filing of a continuation or divisional application.*

*Please amend claims 21-24, 29, 33, 35, 38, 40-47, 48, 50-55, 57-59, 61, 71-82, and 84-85. Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages i - vii).*

- Sub  
I-1
21. ~~(Thrice Amended) A portable communications device comprising:~~
- a housing;
  - a central processing unit mounted within the housing;
  - a wireless transceiver within the housing and coupled to the central processing unit for transmitting and receiving audio;
  - a wireless receiver within the housing and coupled to the central processing unit for receiving image data;
  - an active matrix liquid crystal display within the housing, the display having an active matrix circuit;
  - a light source in the housing that is optically coupled to the display, where light from the light source is directed onto the display;
  - a display driver circuit within the housing and coupled to the central processing unit and the display, the display driver circuit forming images on the display for viewing by a user;
  - a lens that optically couples an image displayed on the display to an eye of a user for viewing by the user; and
  - a battery carried by the housing for powering the central processing unit, the transceiver, the receiver, the display, the light source, and the display driver circuit.
- H/I  
Contd

22. (Twice Amended) The device of Claim 21 wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the housing.

H-2 Sub I-2  
23. ~~(Twice Amended) The device of Claim 22 wherein the display module rotates relative to the housing.~~

24. (Twice Amended) The device of Claim 21 wherein the housing comprises a head mounted support.

H-3  
29. (Amended) The device of Claim 21 further comprising a port coupled to the housing for receiving a memory card.

H-4  
33. (Amended) The device of Claim 21 further comprising a modem within the housing.

H-5 Sub I-5  
37. (Amended) The device of Claim 22 wherein the display module comprises a reflector positioned around a backlight.

H-6 Sub I-6  
38. (Amended) The device of Claim 22 further comprising a flexible ribbon cable connecting the housing and the display module.

Sub I-7  
40. (Thrice Amended) A portable wireless telephone comprising:

a housing;

a central processing unit mounted within the housing;

a wireless receiver within the housing and coupled to the central processing unit for receiving audio and image data;

an active matrix liquid crystal display within the housing, the display having an active matrix circuit;

a light source within the housing that is optically coupled to the display such that light from the light source is directed onto the display;

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could

~~a display driver circuit within the housing and coupled to the central processing unit and the display, the display driver circuit forming images on the display for viewing by a user;~~

a lens that optically couples an image displayed on the display to an eye of a user for viewing by the user; and

a battery within the housing for powering the central processing unit, the receiver, the display and the driver circuit.

H8  
Sub  
I-8

41. (Twice Amended) The telephone of ~~Claim 40~~ wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the housing.

42. ~~(Twice Amended) The telephone of Claim 41 wherein the display module rotates relative to the housing.~~

43. (Amended) The telephone of Claim 40 wherein the housing comprises a head mounted support.

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44. (Amended) The telephone of Claim 40 wherein the active matrix liquid crystal display comprises a video display.

45. (Amended) The telephone of Claim 40 wherein the display has an array of at least 640 x 480 pixel electrodes.

46. (Amended) The telephone of Claim 40 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.

47. (Amended) The telephone of Claim 40 further comprising a video processing circuit within the housing.

48. (Amended) The telephone of Claim 40 further comprising a port coupled to the housing for receiving a memory card.

50. (Amended) The telephone of Claim ~~40~~ further comprising a backlight for the active matrix display.

H-10  
Sub I-9  
51. ~~(Amended) The telephone of Claim 50 wherein the backlight comprises red, green and blue light sources.~~

H-11  
52. (Twice Amended) The telephone of Claim 40 further comprising a modem within the housing.

Sub I-10  
H-12  
53. ~~(Amended) The telephone of Claim 40 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.~~

54. (Amended) The telephone of Claim 41 wherein the display module comprises a reflector ~~positioned around a backlight.~~

55. (Amended) The telephone of Claim 40 wherein the display has a diagonal length of 0.7 inches or less.

H-13  
Sub I-11  
56. ~~(Twice Amended) The telephone of Claim 41 further comprising a flexible ribbon cable connecting the housing and the display module.~~

H-14  
57. (Amended) The telephone of Claim 40 wherein the active matrix display and the lens are on a single optical axis.

H-15  
cont  
Sub I-12  
58. ~~(Three Amended) A method of operating a portable communications device comprising: powering a central processing unit, a wireless receiver, a wireless transceiver, and an active matrix liquid-crystal display disposed within a common housing by a battery in the housing;~~

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Concl'd

~~operating display control circuitry in the housing to display an image, the display control circuitry being connected to a display driver circuit; and viewing through a lens an optically coupled image of the displayed image.~~

H-16

61. (Twice Amended) The method of Claim 59 further comprising rotating a display module containing the active matrix liquid crystal display and lens relative to the housing of the portable communications device.

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I-13

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~~(Twice Amended) A portable wireless telephone comprising:~~

- ~~a housing;~~
- ~~a central processing unit mounted within the housing;~~
- ~~a wireless receiver within the housing and coupled to the central processing unit that receives audio and image data;~~
- ~~an active matrix liquid crystal display within the housing and coupled to the central processing unit and mounted within a display module, the display having an active matrix circuit;~~
- ~~a display driver circuit within the housing and coupled to the central processing unit and the display, the display driver circuit forming images on the display for viewing by a user;~~
- ~~a lens mounted within the display module that optically couples an image displayed on the display to an eye of a user for viewing by the user;~~
- ~~a light source mounted within the display module having red, green and blue elements and that directs red, green and blue light onto the display; and~~
- ~~a battery within the housing for powering the central processing unit, the receiver, the display, and the display driver circuit.~~

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72. (Amended) The telephone of Claim 71 wherein the display module rotates relative to the housing.

73. (Amended) The telephone of Claim 71 wherein the housing comprises a head mounted support.
74. (Amended) The telephone of Claim 71 wherein the active matrix liquid crystal display comprises a video display.
75. (Amended) The telephone of Claim 71 wherein the display has an array of at least 640 x 480 pixel electrodes.
76. (Amended) The telephone of Claim 71 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.
77. (Amended) The telephone of Claim 71 further comprising a video processing circuit within the housing.
78. (Amended) The telephone of Claim 71 further comprising a port coupled to the housing that receives a memory card.
79. (Amended) The telephone of Claim 71 further comprising a modem within the housing.
80. ~~(Amended) The telephone of Claim 71 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.~~
81. (Amended) The telephone of Claim 71 wherein the display module comprises a reflector around the light source.
82. (Amended) The telephone of Claim 71 wherein the display has a diagonal length of 0.7 inches or less.

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I-14

- H-19
84. (Amended) The telephone of Claim 71 further comprising a flexible ribbon cable connecting the housing and the display module.
85. (Amended) The telephone of Claim 71 wherein the active matrix display and the lens are on a single optical axis.

*Please add new claims 86-107 as follows.*

- H-20  
cont
86. (New) The portable communications device of claim 21 further comprising a servo coupled to the central processing unit and coupled to the display, the servo allowing adjustment of the position of the display relative to a user's eyes.
87. (New) The portable communications device of claim 21 comprising an external sensor module coupled to the central processing unit for providing data relating to an environment surrounding a user.
88. (New) The portable communications device of claim 21 comprising an internal sensor module coupled to the central processing unit for providing data relating to an environment between a user and a protective layer.
89. (New) The portable communications device of claim 21 comprising a lifesigns module coupled to the central processing unit for providing data regarding a user's bodily condition.
90. (New) The portable communications device of claim 40 further comprising a servo coupled to the central processing unit and coupled to the display, the servo allowing adjustment of the position of the display relative to a user's eyes.

91. (New) The portable communications device of claim 40 comprising an external sensor module coupled to the central processing unit for providing data relating to an environment surrounding a user.
92. (New) The portable communications device of claim 40 comprising an internal sensor module coupled to the central processing unit for providing data relating to an environment between a user and a protective layer.
93. (New) The portable communications device of claim 40 comprising a lifesigns module coupled to the central processing unit for providing data regarding a user's bodily condition.
94. (New) The portable communications device of claim 71 further comprising a servo coupled to the central processing unit and coupled to the display, the servo allowing adjustment of the position of the display relative to a user's eyes.
95. (New) The portable communications device of claim 71 comprising an external sensor module coupled to the central processing unit for providing data relating to an environment surrounding a user.
96. (New) The portable communications device of claim 71 comprising an internal sensor module coupled to the central processing unit for providing data relating to an environment between a user and a protective layer.
97. (New) The portable communications device of claim 71 comprising a lifesigns module coupled to the central processing unit for providing data regarding a user's bodily condition.

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98. (New) The portable communications device of claim 21 further comprising display control circuitry mounted on the housing and coupled to the display driver circuit, the display control circuitry allowing for user control of the display.
99. (New) The portable communications device of claim 40 further comprising display control circuitry mounted on the housing, the display control circuitry allowing for user control of the display.
100. (New) The portable communications device of claim 71 further comprising display control circuitry mounted on the housing and coupled to the display driver circuit, the display control circuitry allowing for user control of the display.
101. (New) The portable communications device of claim 21 further comprising a camera coupled to the housing.
102. (New) The telephone of claim 40 further comprising a camera coupled to the housing.
103. (New) The telephone of claim 71 further comprising a camera coupled to the housing.
104. (New) The portable communications device of claim 21 wherein the active matrix liquid crystal display comprises an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer.
105. (New) The telephone of claim 40 wherein the active matrix crystal display comprises an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer.

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cont

106. (New) The telephone of claim 71 wherein the active matrix crystal display comprises an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer.

107. ~~(New) A portable communications device comprising:~~

a housing;

a central processing unit mounted within the housing;

a wireless transceiver within the housing and coupled to the central processing unit for transmitting and receiving audio;

a wireless receiver within the housing and coupled to the central processing unit for receiving image data;

an active matrix liquid crystal display within the housing and coupled to the central processing unit, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;

a light source in the housing that is optically coupled to the display where light from the light source is directed onto the display;

a display driver circuit within the housing and coupled to the central processing unit and the display, the display driver circuit forming images on the display for viewing by a user;

display control circuitry mounted on the housing and coupled to the display driver circuit, the display control circuitry allowing for user control of the display;

a servo coupled to the central processing unit and coupled to the display panel, the servo allowing adjustment of the position of the display relative to a user's eyes;

an external sensor module coupled to the central processing unit for providing data relating to an environment surrounding a user;

an internal sensor module coupled to the central processing unit for providing data relating to an environment between a user and a protective layer;

a lifesigns module coupled to the central processing unit for providing data regarding a user's bodily-condition;

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